

## Native Human Creatine Kinase MM

Cat. No. NATE-1883

Lot. No. (See product label)

### Introduction

#### Description

Human CK-MM isoenzyme also known as human CPK-3 isoenzyme is normally responsible for almost all human CPK enzyme activity in healthy people. When human (CK-MM) CKMM isoenzyme is elevated, this usually indicates injury or stress to skeletal muscle.

#### Synonyms

CKM; creatine kinase, muscle; CKMM; creatine kinase M-type; creatine kinase-M; creatine kinase M chain; CK-MM

### Product Information

#### Species

Human

#### Source

Human Skeletal Muscle

#### Appearance

White to off-white powder

#### Form

Lyophilized from tris chloride, EDTA and DTT, pH 7.5.

#### EC Number

EC 2.7.3.2

#### CAS No.

9001-15-4

#### Purity

CK-MM: > 99% CK-MB: < 1% CK-BB: < 1%

#### Activity

> 100 U/mg

#### Specific Activity

> 500 U/mg protein

#### Contaminants

LDH: < 0.01% AST/GOT: < 0.01%

#### Unit Definition

One unit will catalyze the transphosphorylation of one micromole of phosphate from creatine phosphate to ADP per minute at 37°C.

### Storage and Shipping Information

#### Storage

Store at -20° C

#### Stability

3 years